USB V.90 TINY MODEM

Quick Installation Guide

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FCC REGULATORY STATEMENTS

The United States Federal Communication Commission (FCC) and the Canadian Department of Communications have established certain rules governing the use of modems and other electronic equipment.

FCC Part 68 Registration

This high speed USB 56K FAX/MODEM complies with FCC Part 68 rules, and the use of this modem is subject to the following restrictions:

1. The FCC has established rules which permit this device to be directly connected to the telephone network. Standardized jacks are used for these connections. This equipment should not be used on party lines or coin phones.
2. If this device is malfunctioning, it may also be causing harm to the telephone network; this device should be disconnected until the source of the problem can be determined and until repair has been made. If this is not done, the telephone company may temporarily disconnect service.
3. The telephone company may make changes in it's facilities, equipment, operation and procedures; if such changes affect the compatibility or use of this device, the telephone company is required to give adequate notice of the situation with the FCC.
4. If the telephone company requests information on what equipment is connected to their lines, inform them of:
    a. The telephone number to which this unit is connected.
    b. The Ringer Equivalence Number (REN).
    c. The USOC jack required.
    d. The FCC Registration number.

Items (b) and (d) are indicated on the label. The Ringer Equivalence Number (REN) is used to determine how many devices can be connected to your telephone line. In most areas, the sum of the REN's of all the devices on any one line should not exceed 5.0. If too many devices are attached, they may not ring properly.

FCC Part 15 Registration

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interface, and
2) This device must accept any interface received, including interface that may cause undesired operation.

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

(1) Reorient or relocate the receiving antenna.
   (a) Increase the distance between the equipment and receiver
   (b) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
(2) Consult an experienced radio/TV technician for help.

CTR 21 pan-European Certification

This equipment has been approved in accordance with Council Decision 98/482/EC for pan-European single terminal connection to the public switched telephone network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point. In the event of problems, you should contact your equipment supplier in the first instance.

This device is designed to work with the notified networks in all EC member states. Nevertheless, some of the network services in invidual countries might not be supported, but they will not affect the normal data and fax applications. For example, the metering charge service in Germany. Besides you may encounter difficulty of using PULSE dialing function in some of the countries, such as Nordic countries. This kind of network compatibility is dependent on the physical and software settings of this device. If the users are desired to use this device on those networks, they should contact the vendor or supplier first.

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Introduction

The USB V.90 Tiny Modem complies with the Universal Serial Bus functionality built in Windows 98/2000/Millennium. It is compatible with Bell, ITU-T (formerly CCITT) and Hayes AT commands. The USB V.90 Tiny Modem enables you enjoy all the benefit offered by USB technology and get a faster and easier Internet access.

With the especially compact design of the Tiny Modem, you can not only save the cost but also eliminate the need of using an extra USB cable as you usually do. Moreover, using standard phone lines, the data communication functions of the modem will enable you to successfully hook up to the Internet, transmit E-mail, send and receive information and communicate with other PCs, Bulletin Board Services (BBS) or computer networks such as CompuServe.

Specifications

Modem

V.90, K56flex 56Kbps, V.34+ 33.6Kbps, V.34 28.8Kbps, V.32bis 14.4Kbps
V.42bis/V.42, MNP 2-5 data compression and error correction
AT command set

Fax

G3, V.17 14400bps, V.29 9600bps, Fax Service Class 1 compliant

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System Requirements

- A Pentium® processor-based personal computer 166MMX or above
- At least 16 MB of RAM
- An USB port
- Microsoft Windows 98/2000/Millennium
- A CD-ROM drive

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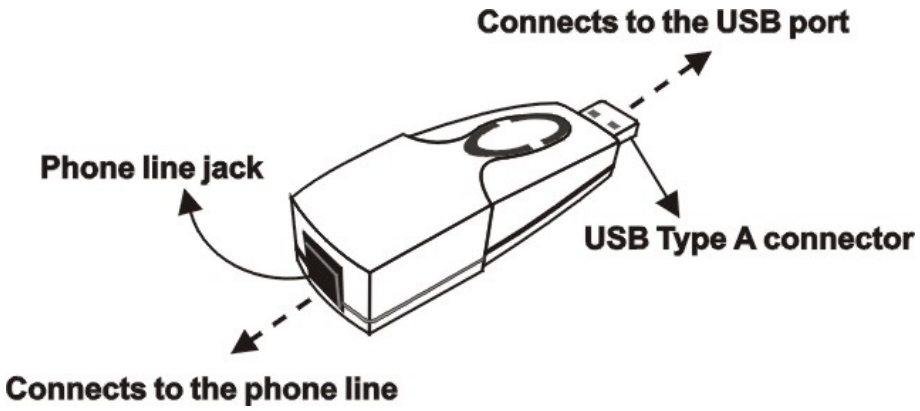
Hardware Installation

1. Locate the USB host port of your system. Connects the USB Type A connector to the USB host port on your computer.
2. Connects the phone line to the phone line jack



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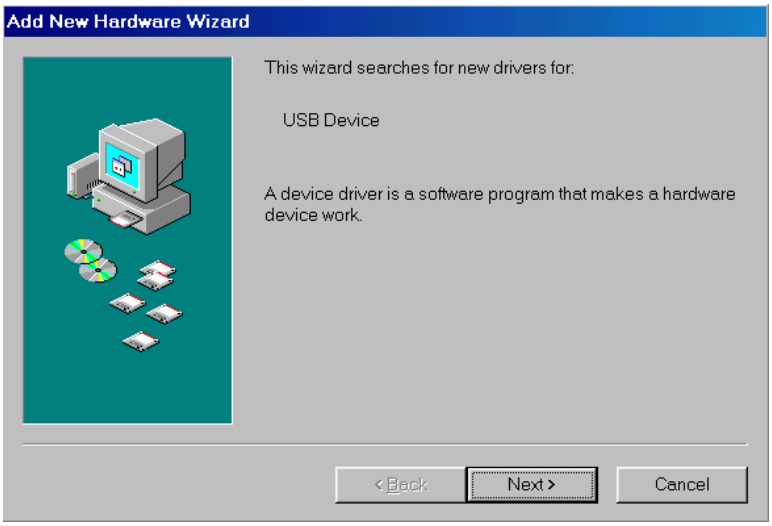
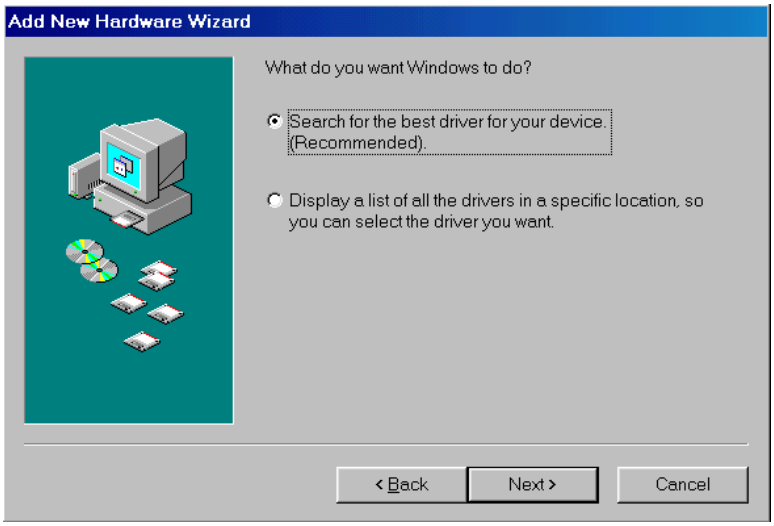
Software Installation

Installation for Windows 98

1. When the USB V.90 Tiny Modem is well connected to your computer, Windows 98 will automatically detect the new device. Click **Next.**


Add New Hardware Wizard
This wizard searches for new drivers for:
USB Device
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

2. Select **Search for a suitable driver for my device (recommended)** and click **Next.**


Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

3. Insert the device driver compact disc into the CD-ROM drive and select **Specify a location.** Click **Browse** button and select the drive where

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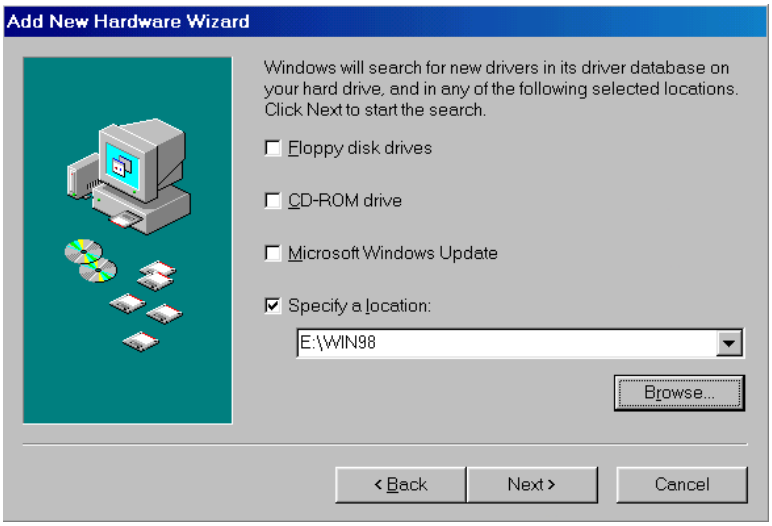
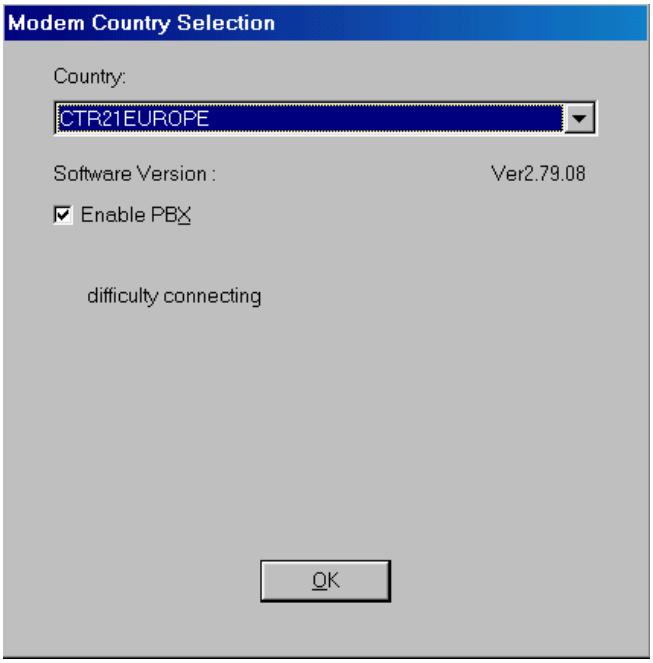
you load the device driver. Click **Next.** Windows will start searching for the appropriate driver for the software installation.


Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
E:\WIN98
Browse...
< Back
Next >
Cancel

4. Click **Next.**
5. Click **Finish.** The software installation is successfully completed.
6. When the following dialog box appears, select the country/location where you are, and click **Enable PBX.** Click **OK.**



7. When finished, restart your computer to activate the new device.

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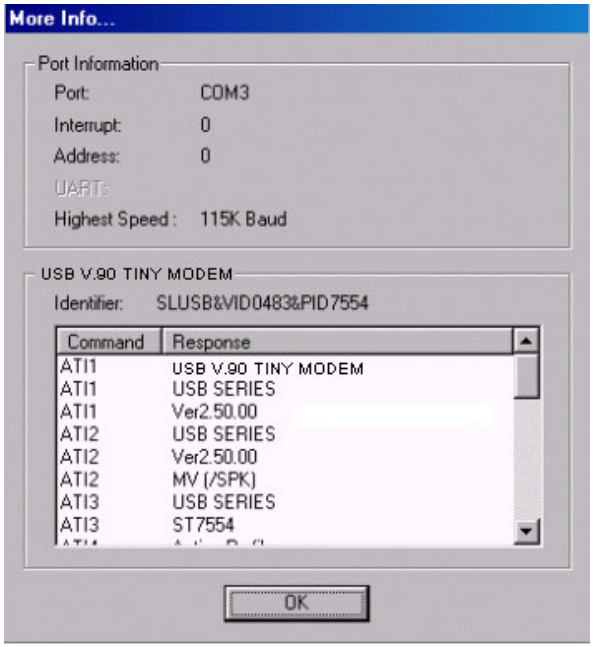
Setup Diagnostics

You can perform the following steps to check if your USB V.90 Tiny Modem is well installed.

1. Go to
   Start→Settings→Control Panel→Modems.
2. When the **Modems Properties** dialog box appears, select the **Diagnostics** tab.
3. Select **USB V.90 TINY MODEM** and click **OK**.
4. If **USB V.90 TINY MODEM** is not found, stop the diagnostics procedures and skip to the following section titled **Uninstallation.**
5. The USB modem is well installed if the information is found on the following screen. Click **OK** to exit.



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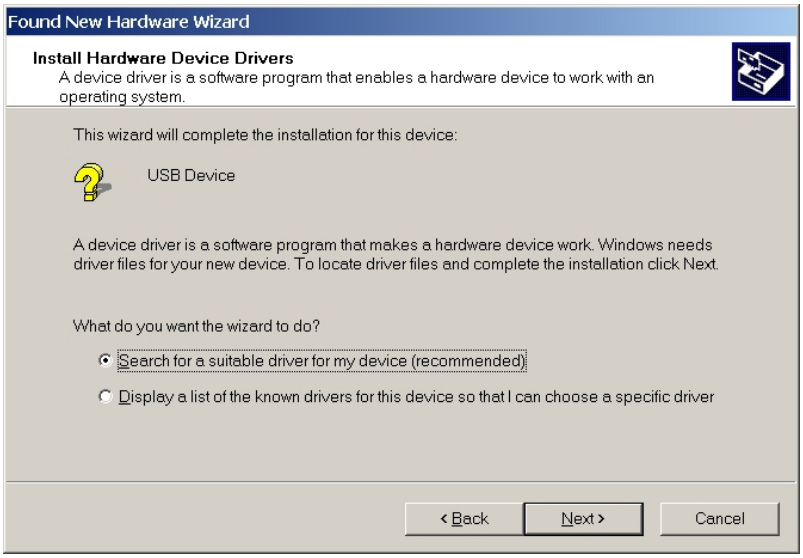
Installation for Windows 2000

1. Once the USB V.90 Tiny Modem is well connected to your computer, Windows 2000 will automatically detect the new device. Click **Next.**

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

2. Select **Search for a suitable driver for my device (recommended)** and click **Next.**


Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
USB Device
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel

3. Insert the device driver compact disc into the CD-ROM drive. Select **Specify a location** and click **Next.**

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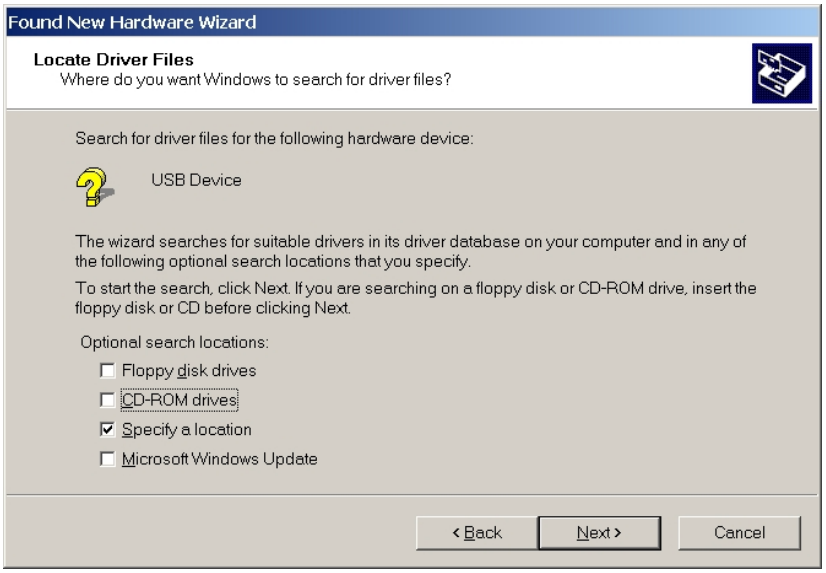
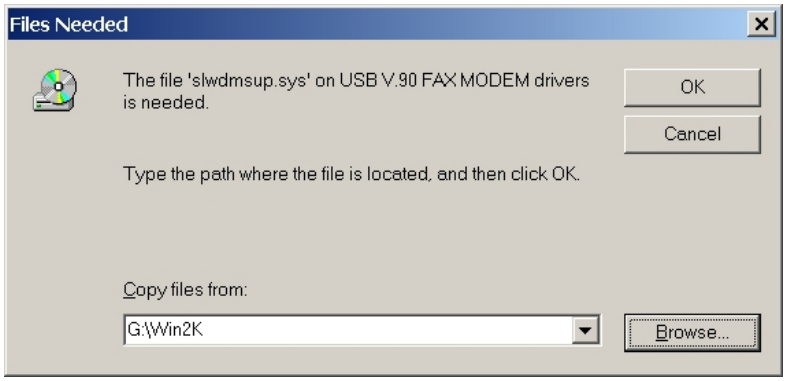

Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
USB Device
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel

4. Click **Browse** button and select the drive where you load the device driver (for example: **G:\WIN2K**). Click **OK.** Windows will start searching for the appropriate driver for the software installation.


Files Needed
The file 'slwdmsup.sys' on USB V.90 FAX MODEM drivers is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
G:\Win2K
Browse...

5. Click **Next** to continue.
6. Click **Yes.**
7. Click **Finish.**
8. When Windows prompt you "**Modem Country Selection**", choose the country where you locate. Select the **Enable PBX** check box and click **OK.** The software installation is then complete.
9. The software installation is successfully complete.

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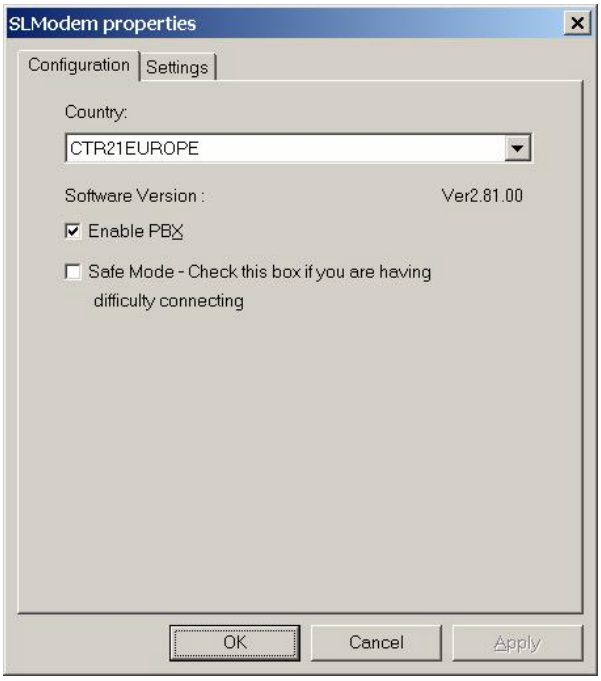
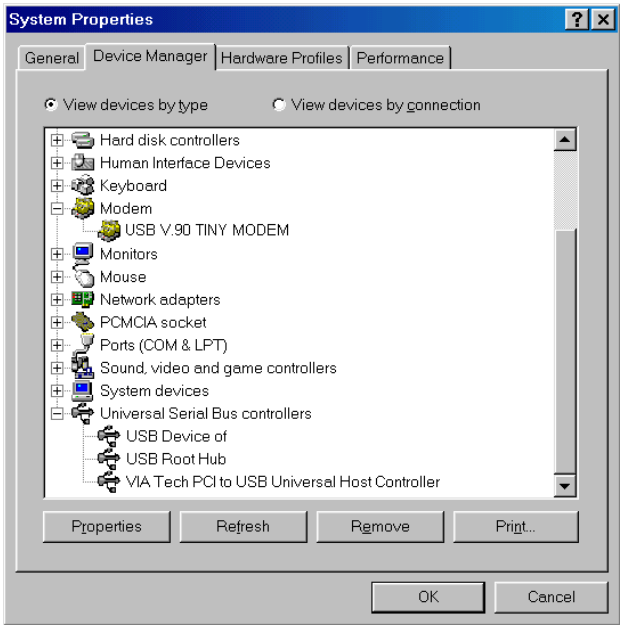


Setup Diagnostics

To verify whether your USB V.90 Tiny Modem exists in your computer and is enabled, go to **My Computer→Control Panel→System.** Click the **Device Manager** tab. If the **USB V.90 TINY MODEM** and **Network adapters** are found, it means that your Network device is well installed. If not, consult your computer dealer for technical support.



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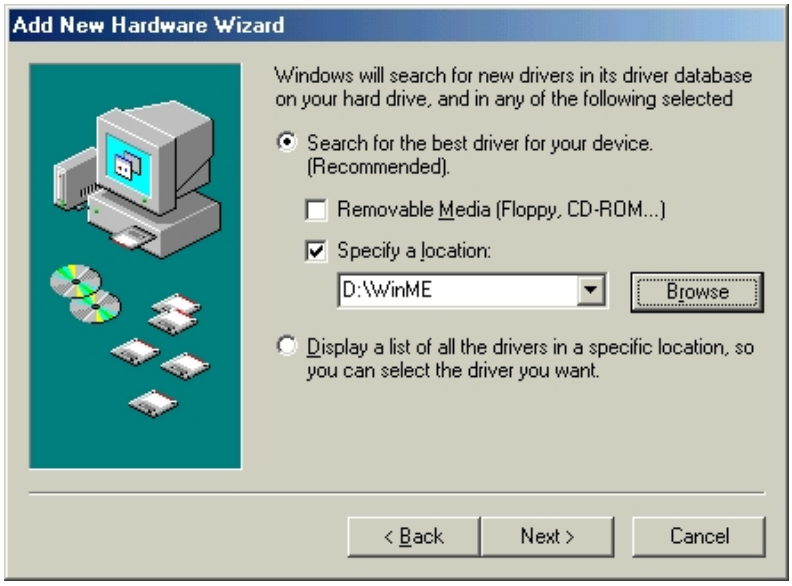
Installation for Windows Millennium

1. When the USB V.90 Tiny Modem is well connected to your computer, Windows ME will automatically detect the new device. Select **Specify the location of the driver (Advanced)** and click **Next.**

Add New Hardware Wizard
Windows has found the following new hardware:
USB Device
Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next.
What would you like to do?
Automatic search for a better driver (Recommended)
Specify the location of the driver (Advanced)
< Back
Next >
Cancel

2. Load the device driver compact disc into the CD-ROM of your system and select **Specify a location.** Click the **Browse** button to select the drive where you load the device driver (for example: **D:\WinME**). Click **Next.**


Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected
Search for the best driver for your device. (Recommended).
Removable Media (Floppy, CD-ROM...)
Specify a location:
D:\WinME
Browse
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

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3. Expect a minor delay for Windows to search for the appropriate driver for the device. Click **Next.**

Add New Hardware Wizard
Windows driver file search for the device:
USB Device of USB V.90 FAX MODEM
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
D:\WINME\USBSTMW.INF
< Back
Next >
Cancel

4. Click **Finish.** The installation program will continue.

5. Select **Specify the location of the driver (Advanced)** and click **Next.**

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected
Search for the best driver for your device. (Recommended)
Removable Media (Floppy, CD-ROM...)
Specify a location:
D:\WinME
Browse
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

6. When the above figure appears, repeat step 2, namely, select **Specify a location.** Click the **Browse** button to select the drive where you load the device driver (for example: **D:\WinME**). Click **Next.**

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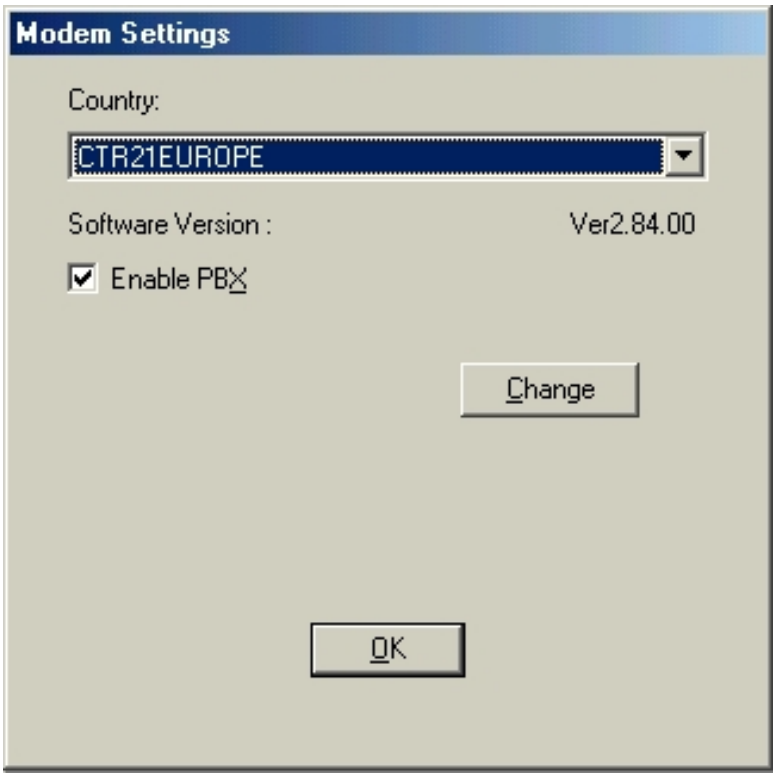
Add New Hardware Wizard
Windows driver file search for the device:
USB V.90 FAX MODEM
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
D:\WINME\MDMSLUSB.INF
< Back
Next >
Cancel

7. Click **Next**.
8. When Windows prompt you "**Modem Country Selection**", choose the country where you locate. Select the **Enable PBX** check box and click **OK.**



9. Click **Finish** to complete the installation.

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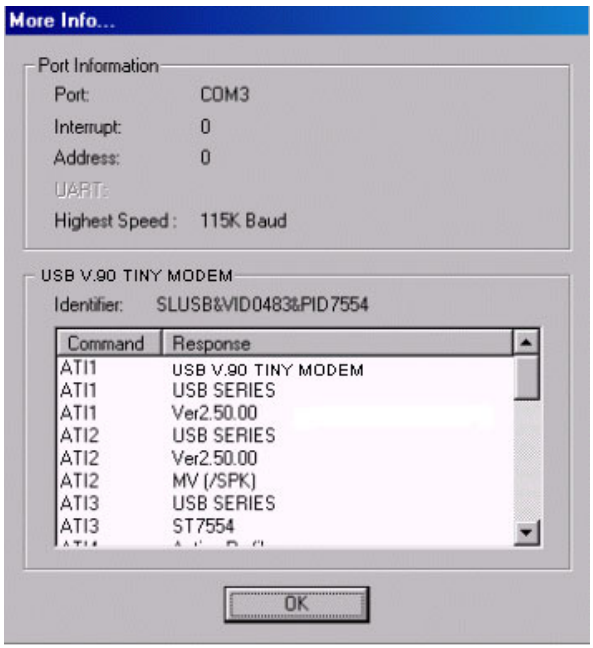
Setup Diagnostics

1. To verify if the USB V.90 Tiny Modem is well installed and enabled, you can perform the following steps.
2. Go to **Start→Settings→Control Panel→Modems.**
3. When the **Modems Properties** dialog box appears, select the **Diagnostics** tab.
4. Highlight **USB V.90 TINY MODEM** and click the **More Info…** button.
5. If the following information can be found, it means that the USB modem is well installed and enabled. Click **OK** to exit.



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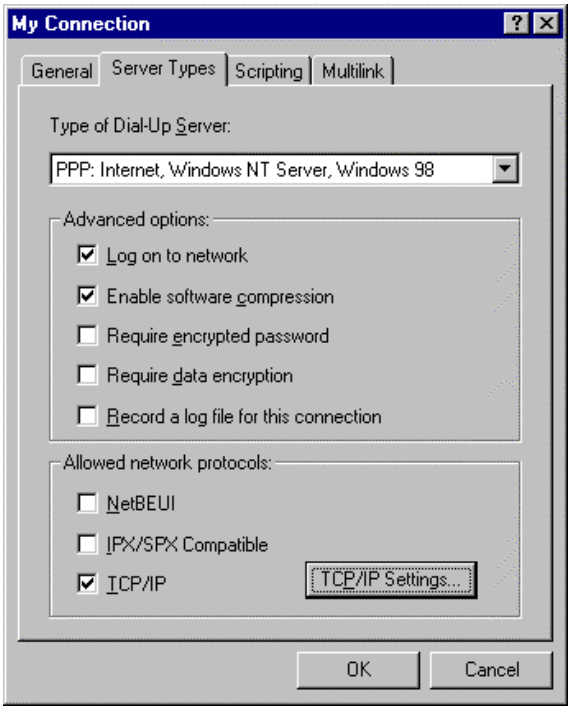
Internet Access

1. Go to **My Computer**.
2. Select **Dial-Up Networking.**
3. Double-click **Make a New Connection**, a dialogue box will appear for you to name the new connection and select the device. Name the new connection appropriately and click **Next**.
4. Enter the area code and phone number of your Internet Service Provider (ISP). Follow the on-screen instructions to proceed.
5. When finished, from the **Dial-Up Networking** window, right-click your newly created connection. Select **Properties**. On the **Server Types** tab, enter the proper selections as shown below and click **OK** to finish the settings.



6. For Windows Millennium, the figure above should be displayed as follows.

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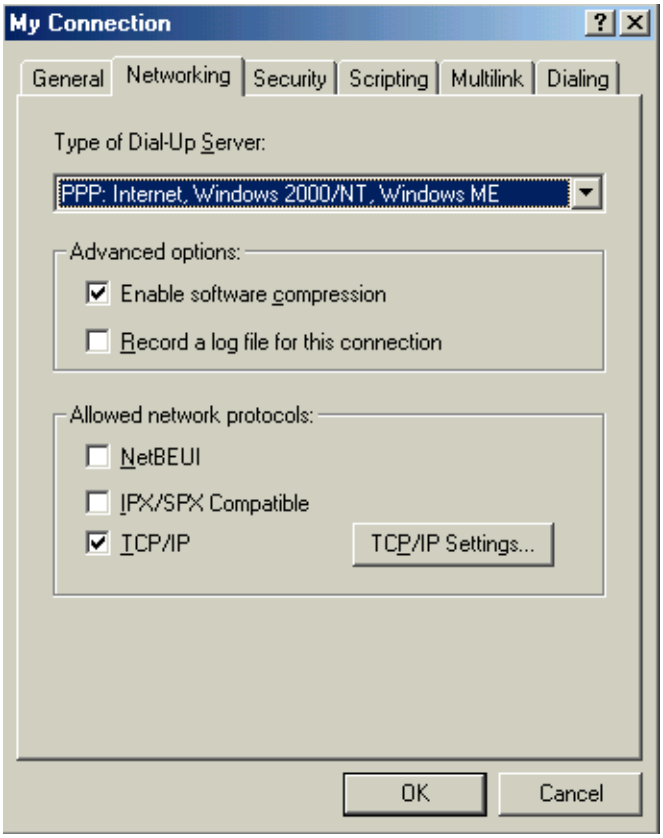

7. Now, you are ready to connect to the Internet.

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